DELIVERANCE SIXTY®

VACUUM TUBE GUITAR AMPLIFIER

MODEL D60H

OWNERS MANUAL

FRYETTE AMPLIFICATION

WELCOME TO THE FAMILY

Congratulations and thank you for choosing the Deliverance Sixty Guitar Amplifier!

At Fryette Amplification, we know you are constantly searching for new sounds and new ways to improve your existing sound. We understand the constantly evolving nature of artistic creativity and the search for the perfect sound to complement your ever-widening musical vision. Providing the tools to help you to create your own sonic signature is our primary mission.

As with all Fryette amplifiers, the Deliverance Sixty amplifier beautifully accentuates the inherent qualities of any instrument. It breathes and dynamically responds to your playing technique exactly the way a great guitar amp should. And as stomp boxes have gained more widespread appeal, you will find Deliverance amps to be pedal friendly and ultra-responsive to the many colors pedal effects produce.

The Deliverance preamp section has a broad dynamic range, which accounts for its extra touch-sensitivity and excellent guitar volume response. In addition, clean and overdriven voicings can easily be dialed up on the Deliverance Sixty using the unique GAIN I / GAIN II structure, tone controls, presence and depth. From there, just a little tweaking on your guitar volume and tone controls will yield a surprising amount of control.

The D60H power amp section is designed for big round tone and dynamic response at low to medium guitar volumes and a rapid but smooth transition into saturation, turning rich and thick at full guitar volume. This combination of preamp voicing and power amp response enhances the unique character of any guitar and pick-up type.

Specially designed, precision wound power and output transformers produce optimum performance, reliability and stability, delivering excellent power tube response and just the right amount of natural output transformer saturation and compression.

Getting familiar with the Deliverance amplifier is easy, so don't be terribly surprised when you find yourself up and running in no time. First hand experience and real world application will yield the ultimate satisfaction of finding your own path of comprehension and self-expression.

IT ALL STARTS HERE

The Input Sensitivity of an amplifier, commonly referred to as GAIN, determines how much overdrive and sustain your guitar will produce. Tonal balance, which we refer to as VOICING determines how the amp will respond to your playing style and sound with a particular guitar. Like all amplifiers, the D60 has tone and gain controls, but unlike any other amplifier the D60 gives you total control over VOICING and GAIN. This GAIN I / GAIN II / MASTER VOLUME configuration is the key to dialing in the Deliverance sound and volume to your specific requirements.

GAIN I increases the gain amount as you rotate the knob clockwise. As the gain increases, the tonal balance is shifted from a treble and upper mid emphasis, which produces an up front sparkling tone, to a lower mid and bass emphasis, which produces a thick meaty tone.

GAIN II increases the gain amount as you rotate the knob clockwise but with no alteration of the tonal balance.

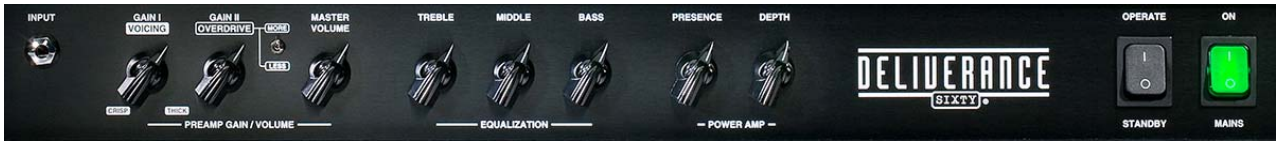
Different combinations of GAIN I and GAIN II settings, will have a dramatic effect on the response of the amplifier and the personality of your instrument. It is easy to get familiar with the action of these controls and you'll be amazed with your ability to make any guitar sound mellow, fat, soulful or aggressive.

The MORE / LESS switch activates or defeats a tube gain stage. The interesting and often overlooked benefit of this switch is that you can use it in conjunction with the gain controls to tailor your tone as well as distortion amount. For example, set GAIN I, GAIN II, MORE/LESS and MASTER VOLUME as shown in the photo above and play for a few minutes. Now set these controls as shown in the photo below. Notice that the overall amount of overdrive is approximately the same as it was but the tonal balance has shifted markedly from full and warm to crisp and spanking.

As you will see, by experimenting with combinations of settings you can cover an awful lot of tonal territory before you even begin to start thinking about tone control settings.

DELIVERANCE D60H FUNCTIONS

FRONT PANEL, LEFT TO RIGHT



1. GUITAR INPUT – Plug in your guitar or stompbox here.

PREAMP GAIN / VOLUME SECTION

2. GAIN I / VOICING – Sets the amount of overdrive in the second gain stage. This first gain control also serves as a tone shaping control, counter-clockwise for crisp and articulate, clockwise for thick and saturated.
3. GAIN II / OVERDRIVE – Full frequency gain boost or cut. Sets the amount of overdrive in the third gain stage. Works in conjunction with Gain I to dial in the perfect overdrive/sustain amount for your guitar and pick-up combination.
4. MORE / LESS –This switch selects three stages or four stages of tube preamp gain depending on the amount of overdrive required. LESS = 3 stages, MORE = 4 stages. When using stomp boxes or active pick-ups, four stages of gain are often unnecessary and generate undesirable levels of background noise, so the ability to defeat the additional stage is a real plus.
5. MASTER VOLUME - Power amp volume – loudness - control.

EQUALIZATION SECTION – Passive / Interactive tone controls.

6. TREBLE – Passive High frequency equalization.
7. MIDDLE – Passive Mid frequency equalization.
8. BASS – Passive low frequency equalization.

POWER AMP RESPONSE CONTROL SECTION

9. PRESENCE – High frequency variable feedback in power amp section.
10. DEPTH - Variable damping. Controls low frequency interaction between amplifier and speakers.

AC POWER / STANDBY

11. STANDBY - Turns on high voltage to output section.
12. MAINS – Switches main AC power on or off.

DELIVERANCE D60H FUNCTIONS

REAR PANEL, LEFT TO RIGHT

1. GROUND SWITCH – Select position which yields quietest operation. With a properly wired AC outlet and factory supplied AC cord, this switch will not produce a noticeable difference.

2. AC MAINS INPUT – Connect to a grounded outlet in accordance with the voltage and frequency specified on the rear panel of your amplifier.

Use only the factory supplied cord set or a UL approved equivalent type.

3. MAINS FUSE – Protects the amplifier from electrical faults. Replace only with type and rating specified on the rear panel of your amplifier.

4. DC FUSE – Protects the power supply and output transformer from electrical faults. Replace only with type and rating specified on the rear panel of your amplifier.

Warning! Replace only with same fuse type and rating.

5. IMPEDANCE SELECT - 4, 8 or 16 ohms. Example: Two 8 Ohm cabs = 4 Ohms, two 16 Ohm cabs = 8 Ohms.

6. SPEAKER OUTPUT – Parallel wired jacks. Impedance switch setting should equal total of all cabinet impedances plugged into both jacks. “Use First” jack must be plugged in for output to operate.

TUBE FUNCTION AND LOCATION CHART

Preamp tube locations are indicated by tube type on the rear panel of the chassis. Tube types are factory selected for superior performance, consistent tone quality and reliability. While substituting other brands may not cause damage to the amplifier this may affect amplifier performance in unpredictable ways. For best performance, replace only with factory recommended tubes. **Warning!** Substituting other tube types is not recommended.

Each 12AX7 has two sections/functions. Section A is shown first, Section B is second. Factory recommended tubes are listed under each location. Numbering sequence is right to left looking at back of amp starting with the row closest to front panel of amp.

V1 (shielded tube)	Input Gain Stage 1 (Parallel Triodes).
12AX7A Tung-Sol	
12AX7WB Sovtek	Use in place of Tung-Sol for smoother top end and less upper mids.
12AX7 China Selected	Use in place of WB if more gain is required.
V2 (shielded tube)	Gain Stage 2.
12AX7A/7025 China	Gain Stage 4. Active only when MORE / LESS switch is set to MORE.
V3 (shielded tube)	Gain Stage 3.
12AX7A/7025 China	Tone Control Driver.
V4	Phase Inverter.
12AX7A/7025 China	
V5 – V6	Power Tubes **MUST USE ONLY KT88 or 6550.**
KT88 Sovtek	**NOT INTERCHANGEABLE WITH ANY OTHER TUBE TYPES!**
KT88 EH	
KT88 Svetlana	
6550 Sovtek	
6550 Svetlana	

Certificate of Compliance

Restriction of the use of Hazardous Substances (RoHS)

We certify that all of our products (exceptions see listed below) are compliant with the European Union Directive 2002/95/EC for the Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment (RoHS).

No Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr+6), PBB or PBDE is intentionally added to these devices. Any trace impurities of these substances contained in the parts are below the RoHS specified threshold levels.

All information provided in this Certificate of Compliance is accurate to the best of our knowledge as of the date this Certification was issued.

Certificate of Compliance

Registration, Evaluation, Authorization and Restriction of chemicals (REACh)

We declare that all of our products are compliant with European Union Directive EC1907/206 for the Registration, Evaluation, Authorization and Restriction of chemicals (REACh), and contain none or less than 0.1% of the chemicals listed as hazardous chemicals in the REACh regulation. All information provided in this Certificate of Compliance is accurate to the best of our knowledge as of the date this Certification was issued.

Declaration of Conformity

EMC and Low Voltage Directive (CE)

Product Name: Deliverance Sixty Amplifier
Model Number: D-60-H

This is to certify that the product listed above complies with the following European Union Council Directives and Standards relating to electromagnetic compatibility (EMC Directive 89/336/EEC) and the low voltage Directive (73/23/EEC).

This declaration of conformity of the European Communities is the result of an examination carried out by Electromagnetic Engineering Services, Inc. in accordance with European Standards EN 50081-1, EN 50082-1 and EN 60065 for low voltage, as laid down in Article 10 of the EMC Directive.

Steven Fryette Design, Inc
1201 South Flower Street
Burbank, CA 91502 USA

LIMITED WARRANTY

Subject to the obligations and exclusions found below, this product is warranted by Steven Fryette Design, Inc., (herein SFD) against manufacturing defects in materials and workmanship for the period of Five (5) Years from the date of purchase, with the exception of the tubes, fuses and speakers where applicable, which carry a 90 day warranty.

The warranty period commences on the date of purchase by the original user. Performance under this warranty must be obtained at one of the following: an SFD Authorized Service Station, by returning the unit to the SFD factory with prior written authorization, or (in countries outside of the United States) by a representative SFD distributor.

Obligations

1. This warranty will be honored only on the presentation of the original proof of purchase.

2. Transportation of the product to and from an authorized SFD service outlet is the responsibility of the user. Units sent directly to the SFD factory for warranty repairs must be authorized by SFD and shipped prepaid.

Exclusions

1. This warranty shall not cover adjustment of consumer-operated controls as explained in the appropriate instruction manual, or products that have been altered or have missing, or defaced serial numbers.

2. This warranty shall not apply to the appearance of accessory items including but not limited to, cabinets, cabinet parts, or knobs.

3. This warranty does not apply to uncrating, setup, installation, or the removal and reinstallation of products for repair.

4. This warranty shall not apply to repair or replacements necessitated by any cause beyond the control of SFD including, but not limited to, any malfunction, defects, or failure caused by or resulting from unauthorized service or parts, damaged or broken tubes, incorrect line voltage, improper maintenance, modification or repair by the user, abuse misuse, neglect, accident, fire, flood, or other Acts of God.

5. Responsibility for the repair of any SFD product sold outside of U.S. boundaries is borne by the SFD representative in that particular country or territory. Also, the warranty term and conditions may be different from those stated above. Please contact the SFD distributor or dealer in your country for more information.

The foregoing is in lieu of all other expressed warranties, and SFD does not authorize any party to assume for it any other obligation or liability. In no event shall SFD be liable for special or consequential damages arising from the use of this product, or for any delay in the performance of this warranty due to causes beyond our control. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of consequential damages, so the above limitations on implied warranty and consequential damages may not apply to you. This warranty gives you specific legal rights. You may have other rights that vary from state to state.

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